

REMARKS

Entry of this Amendment and reconsideration are respectfully requested in view of the amendments made to the claims and for the remarks made herein.

The IDS is objected to for failing to comply with 37 CFR 1.98(a)(2).

Applicant respectfully disagrees with the Office Action in objecting to the IDS filed. However, applicant submits herewith copies of the non-patent literature (Mesman, "Constraint Analysis for DSP Code Generation," Ph.D thesis, and Pinto "Storage Constraint Satisfaction for Embedded Processor Compilers," Ph.D thesis).

With the submittal of the referred to documents, applicant submits that the objection has been overcome and respectfully requests the withdrawal of the objection.

The specification is objected to as the title is non-descriptive and no reference is made on page 1 of the specification for the claim of priority to foreign filed patent application.

Applicant thanks the examiner for his observation and has amended the specification as suggested. Applicant further submits that the incorporation of the claim for priority in the specification does not constitute new matter as reference to the priority document was appropriately made in the Declaration filed concurrently with the instant application.

Claims 1, 9, and 11 stand rejected under 35 USC 102(b) as being anticipated by Berenbaum (EP 1139215).

Applicant respectfully disagrees with, and explicitly traverses the reason for rejecting the claims. However, the independent claims have been amended to recite that a presence bit indicative of the presence or absence of data in a respective input and output register is provided. No new matter has been added. Support for the amendment may be found at least in now cancelled claim 3. Although, claim 3 has been rejected as being obvious under the combination of Berenbaum and Corporaal, it will be shown that the combination of Berenbaum and Corporaal fails to disclose the subject matter recited in claim 3 and now amended independent claims 1 and 1.

Claims 1, 9 and 11 stand rejected under 35 USC 102 (b) as being anticipated by Bernbaum (EP 1139215).

Applicant respectfully disagrees with and explicitly traverses the reason for rejecting the claims as independent claim 1 and 11 have been amended to include the subject matter recited in claim 3 and Berenbaum fails to recite a material element now claimed.

For at least this reason applicant submits that the reason for the rejection has been overcome and respectfully requests that the rejection be withdrawn.

With regard claim 9, this claim depends from claim 1 and is also not anticipated by Berenbaum by virtue of its dependency upon an allowable base claim.

Claims 2-8, 10 and 12-13 stand rejected under 35 USC 103(a) as being unpatentable over Berenbaum in view of Corporaal.

With regard to the subject matter recited in now cancelled claim 3, which has been incorporated into claim 1, the Office Action refers to TI1 of Corporaal as being comparable to the input register recited in the instant invention. However, Corporaal teaches in Figure 2.6 that the T register is a Trigger register that allows for the reading of an output register a fixed number of cycles after the Trigger register is activated. The Trigger register is further described on page 15, section 3.1, wherein the registers are defined. ("[m]ost units contain Trigger, Operand, Result and Status registers; some units contain also Control register ... E.g., of the integer units these registers are TI_i , OI_i , RI_i , and SI_i , respectively.). In addition, the reference to the trigger register, TL, on page 53 is consistent with the definition of the trigger register used throughout the cited reference.

Hence, rather than the cited reference teaching input and output registers, the reference teaches a trigger register that is used to determine when data is available in the output register.

The combination of Berenbaum and Corporaal fails to render obvious the invention claimed in the independent claims as the combination of Berenbaum and Corporaal fails to teach or suggest all the elements recited in claims 1 and 11.

For at least this reason, applicant submits that the rejection of the claims has been overcome and respectfully requests withdrawal of the rejection.

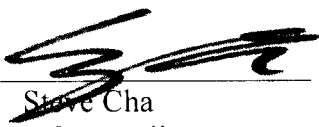
The other claims in this application are each dependent from independent claims 1 and 11 and are therefore patentable by virtue of their dependency upon an allowable base claim.

For all the foregoing reasons, it is respectfully submitted that all the present claims are patentable in view of the cited references. A Notice of Allowance is respectfully requested.

Respectfully submitted,

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